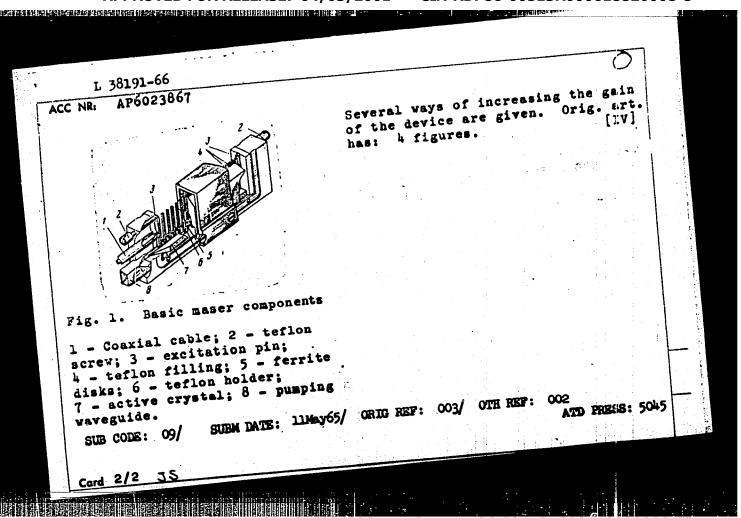


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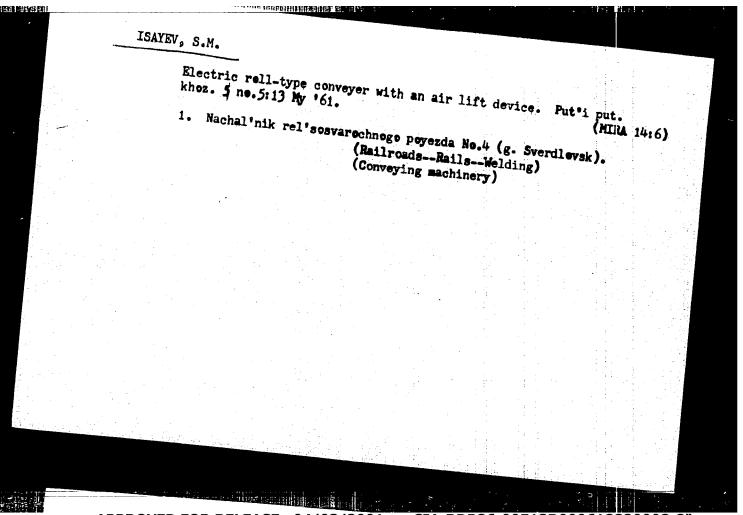
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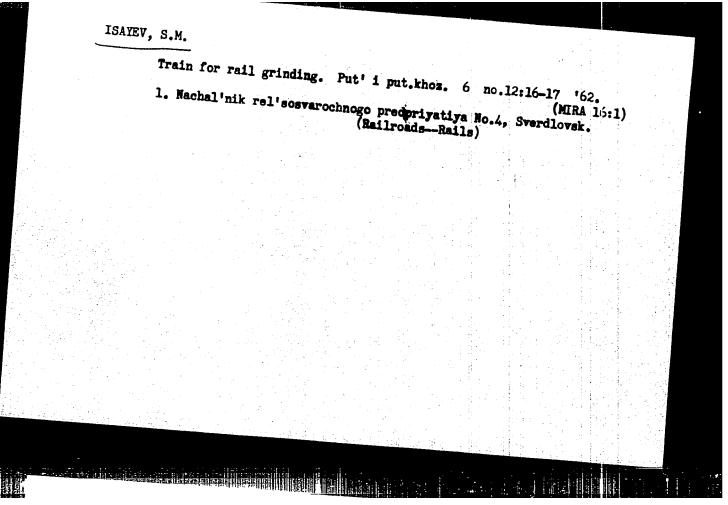
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_	Ye. G.; Krynesszyy	
	ORG: none TITLE: Traveling wave maser using chromium-doped rutile and a magnet	
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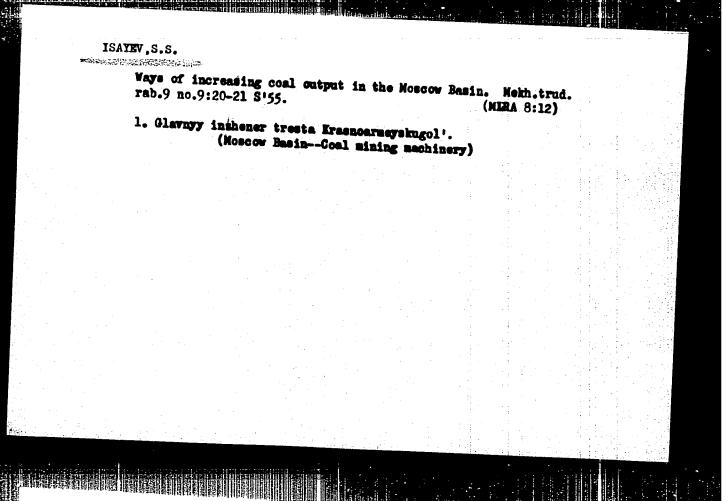
ISAYEV, S.M.; SHEVTSOV, G.G.

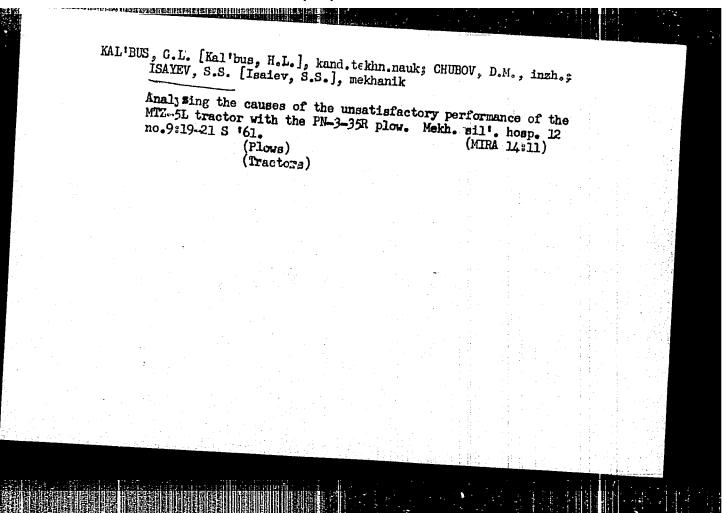
Long rail lengths on the Ural railroads. Put: 1 put. knoz. 9 (NIRA 1822)

1. Nachal'nik rel'sosvarochnogo poyezda No.4, stantsiye Sverdlovsk-Sortirovochnyy, Sverdlovskoy deregi (for Isey;v). 2. Nachal'nik Sverdlovskoy distantsii puti, stantsiya Sverdlovsk-Sortirovochnyy, Sverdlovskoy dorogi (for Shevtsoy).

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ISAYEV, S.N. Operation of a 2 X 1200 liter shock "shielded" concrete plant. Energ. stroi. no.22:74-75 'Gl. (MTRA 15:7) 1. Betonnyy zavod Kremenchuggesstroya. (Concrete plants)





KAL'BUS, G. L. [Kal'bus, H.L.], kand. tekhn; nauk; ISAYEV, S.S. [Islaev, S.S.],

Device and method for controlling and regulating hydraulic units.

Mekh. sil'. hosp. 12 no.10:9-11 0 '61. (MIRA 14:11)

(Agricultural machinery—Hydraulic equipment)

KAL'BUS, G.L. [Kal'bus, H.L.], kand.tekhn.nauk; ISAYEV, S.S. [Isaiev, S.S.],

Device and method for controlling and regulating hydraulic units.

Mekh. sil'. hosp 12 no.11:10-12 N '61. (MIRA 14:11)

(Agricultural machinery—Hydraulic equipment)

KAL'BUS, G. L., kand. tekhn. nauk; ISAYEV, S. S., tekhnik

Hydraulic mechanism of the mounted system of the MTZ-50FL

"Belarus!" tractor. Mashinostroenie no.5:92-95 .8-0 '62.

(MIRA 16:1)

(Tractors—Hydraulic equipment)

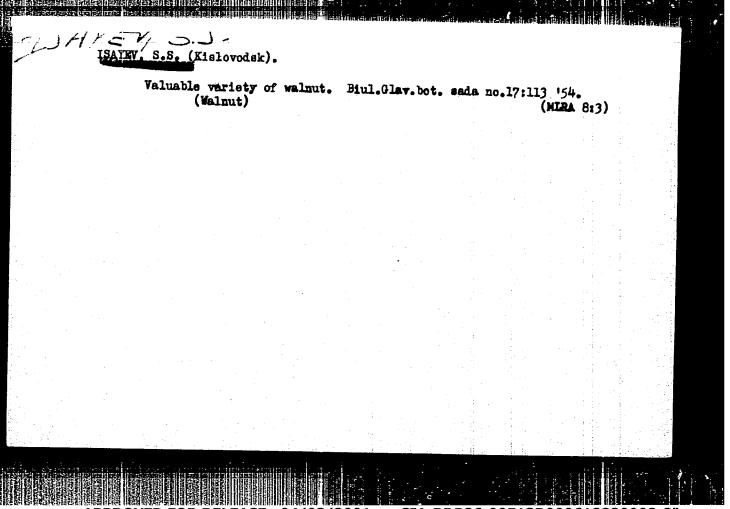
KAL'BUS, G.L. [Kal'bus, H.L.], kand.tkehn.nauk; ISAYEV, S.S. [Isaiev, S.S.], tekhnik-mekhanik

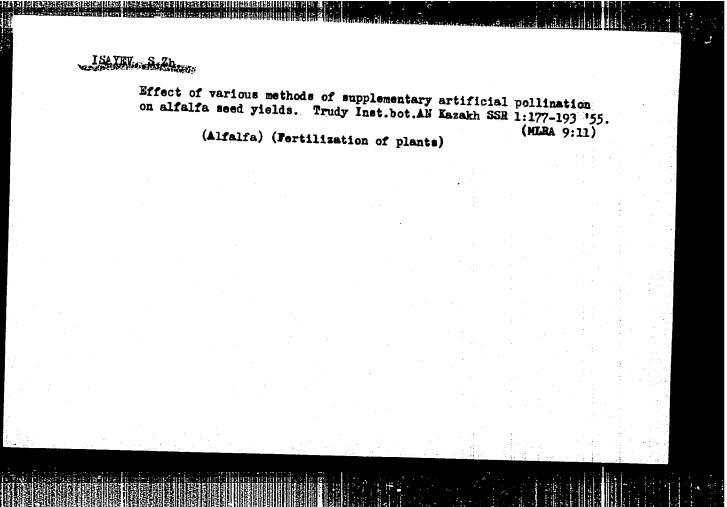
Design of hydraulic power steering of the MTZ-50FL tractor and technological care for it. Mekh.sil',hosp. 13 no.12:20-23 D'62.

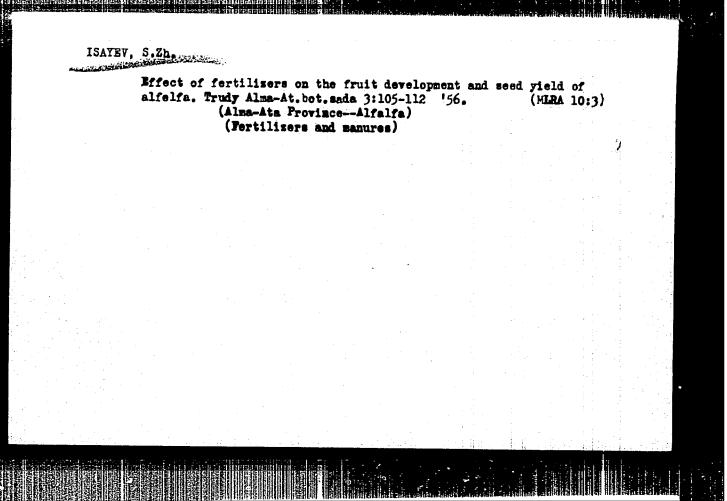
(Tractors—Hydraulic equipment)

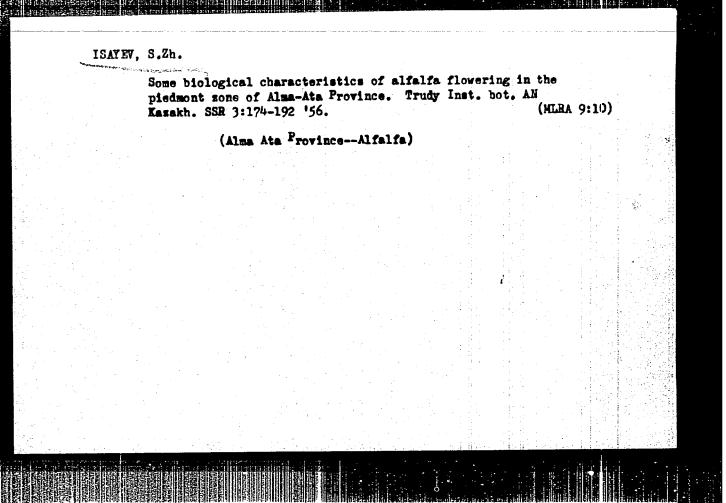
(MIRA 16:2)

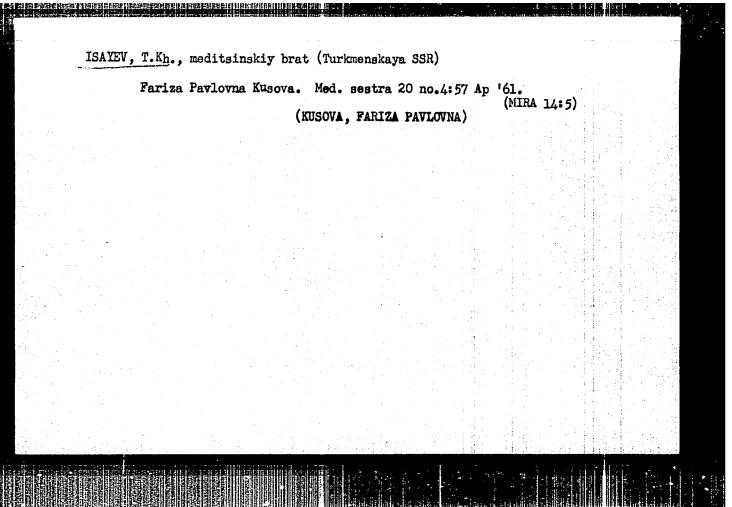
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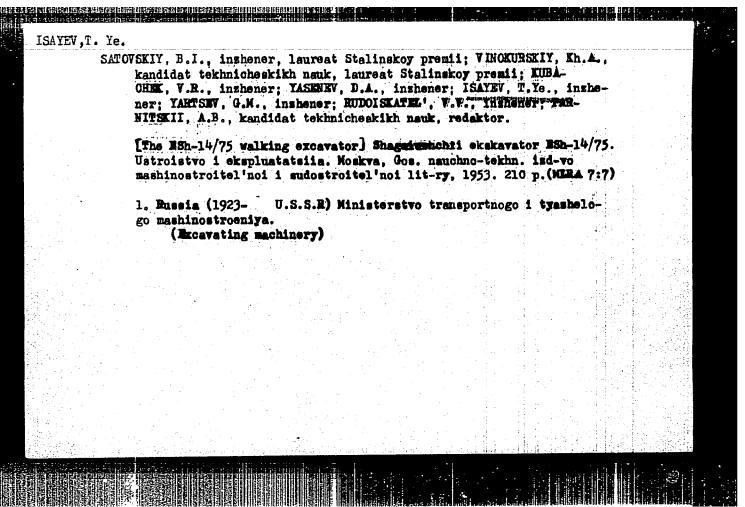












VINOKURSKIY, Khaim Aronovich; ISAYEV, Timofey Yemel'yanovich;

RUDDISKATEL', Vladimir Yesil'yevich; YARTSEV, Grigoriy

Matveyavich; YASPHY, Dmitriy Andreyevich; SATOYSKII, Boris

Ivanovich; KUBACHEK, Vladimir Rudol'fovich; SHABASHOV, A.P.,

kand.tekhn.nauk, red.; DUGINA, N.A., tekhn.red.

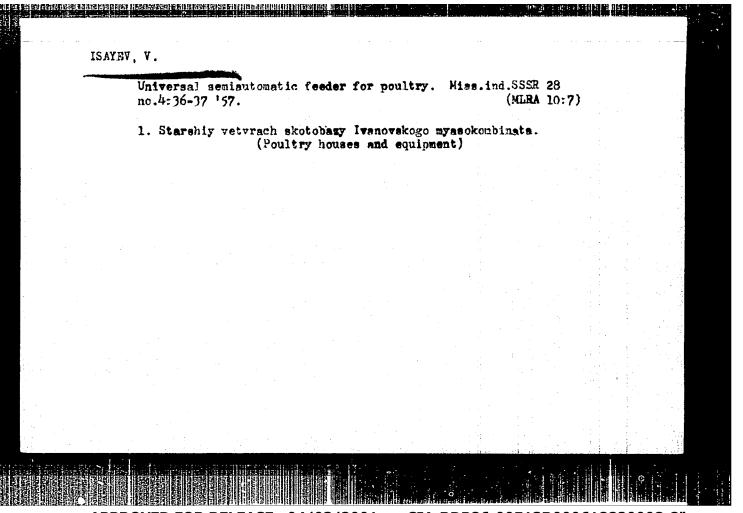
[Walking excavators manufactured by the Ural Heavy Machinery

Plant] Shagaiushchie ekskavatory Uralmashzavoda. Monkva, Gos.

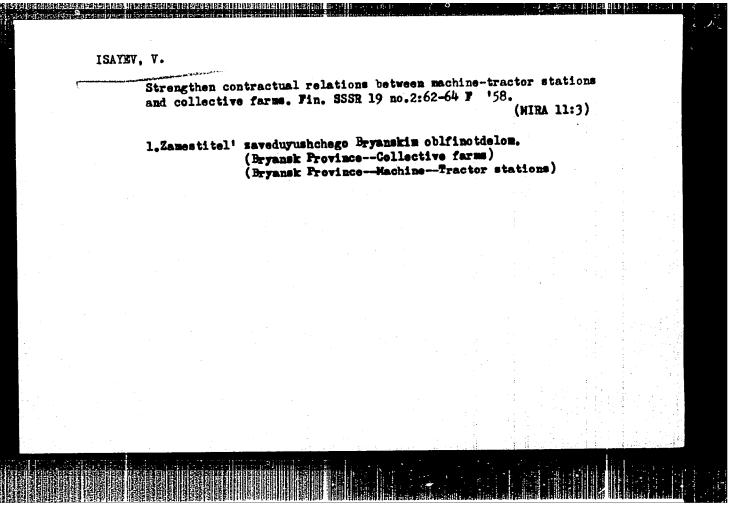
nauchno-tekhn.isd-vo mashinostroit. lit-ry, 1958. 329 p.

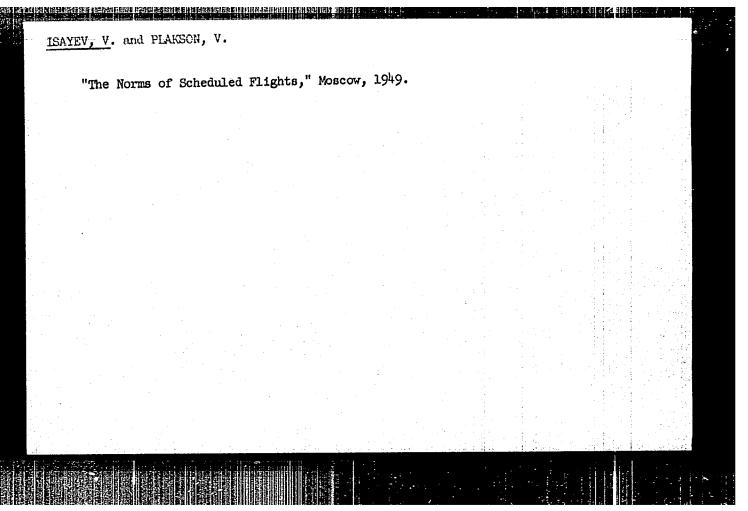
(Bxcavating machinery)

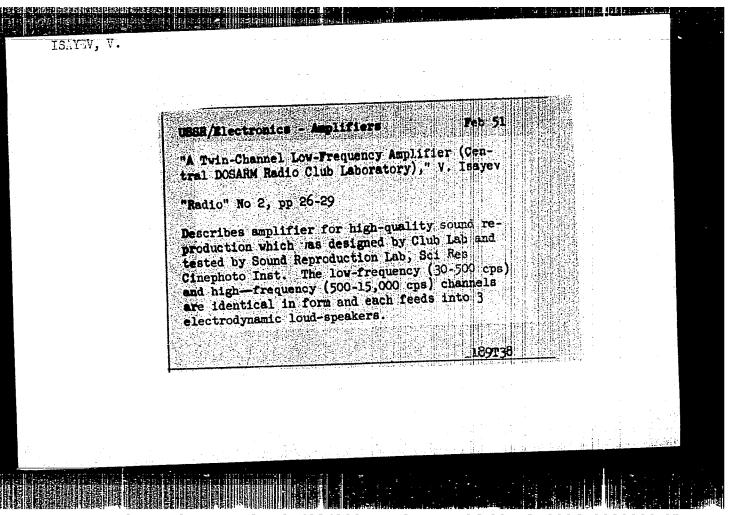
(NIRA 11:12)



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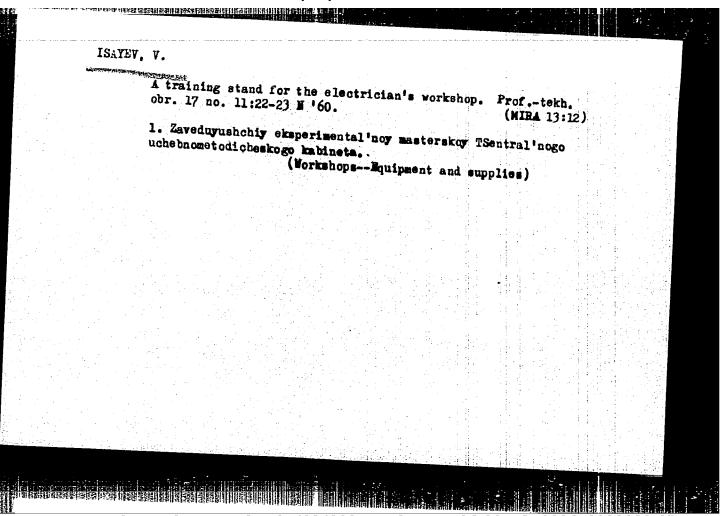
USSR/Electronics - Amplifiers

"A Twin-Channel Low-Frequency Amplifier (Laboratory of the Central DOSARM Radio Club)," V. Isayev

"Radio" No 3, pp 25-28

Describes output transformers, loud-speakers, and power supply for twin-channel amplifier. Gives methods for measuring the frequency response and internal noise level of the amplifier. The twin-channel amplifier will emphasize any defects in the equipment from which the signal is taken, and author outlines corrective measures for crystal and magnetic pickups.

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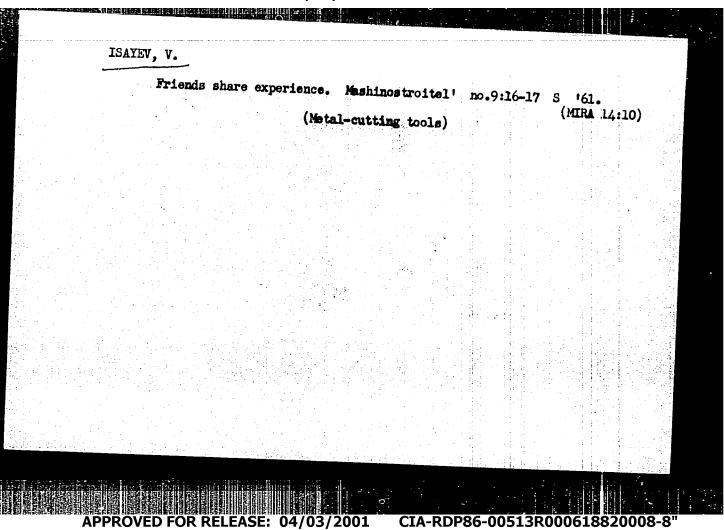
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ISAYEV, V.; ANDRIYEVSKAYA, A.

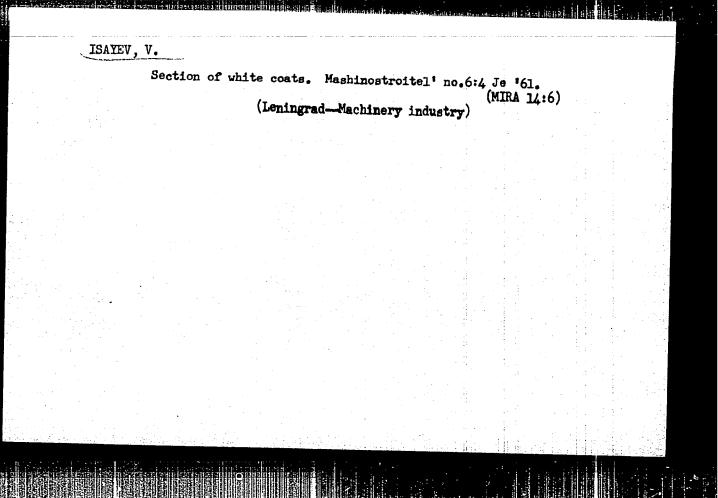
Technical progress guarantees success. Stroitel' no.11:3-4 H '60.
(MIRA 13:11)

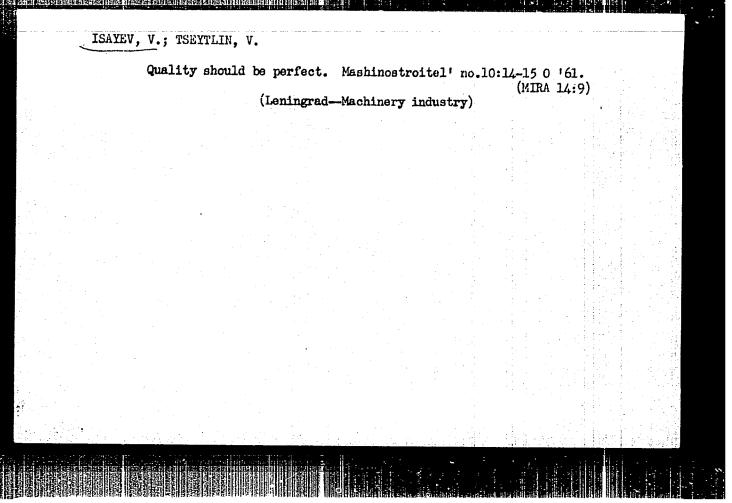
1. Nachal'nik Glavleningradstroya (for Isayev). 2. Spetsial'nyy korrespondent shurnala "Stroitel'" (for Andriyevskaya).

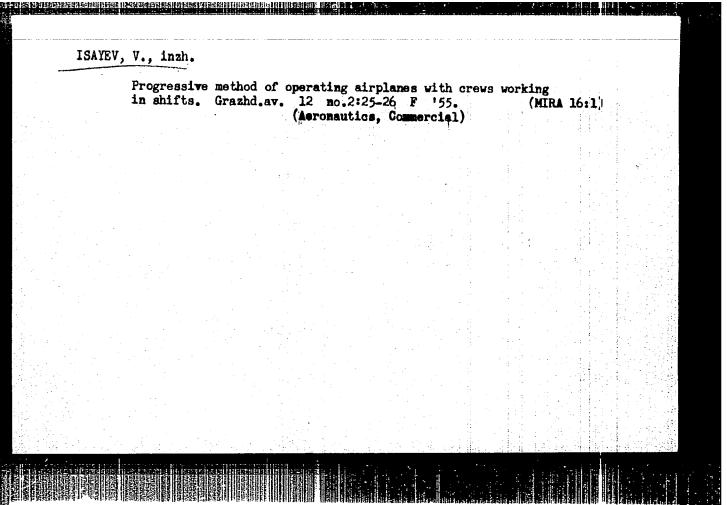
(Leningrad--Construction industry)



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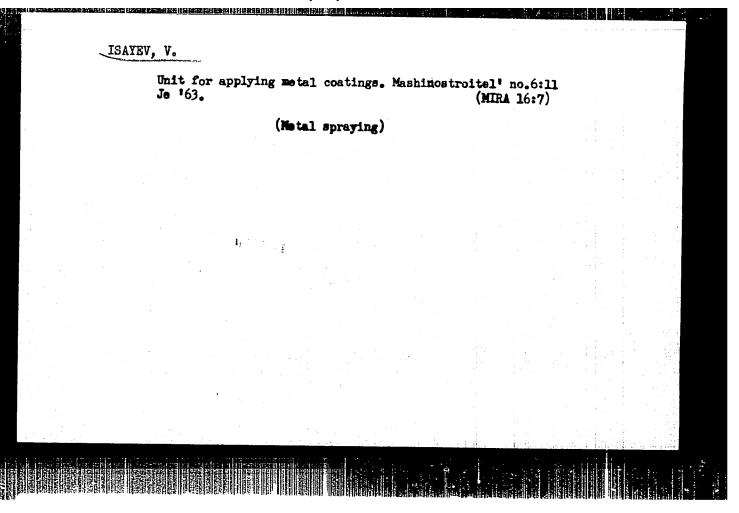


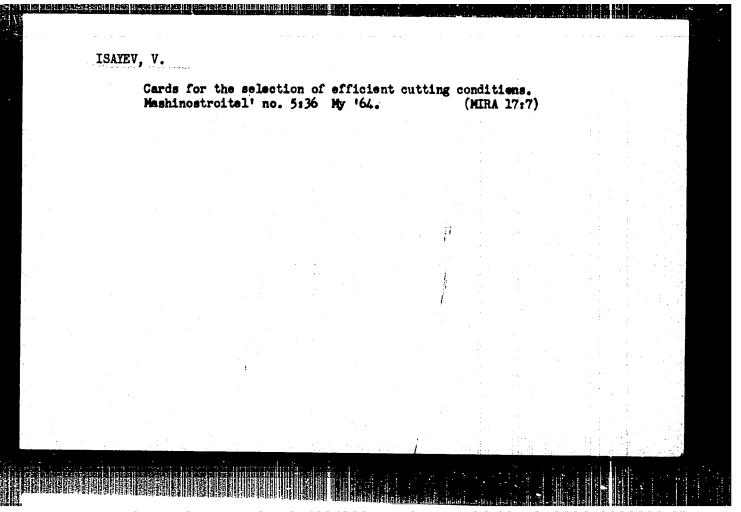


EARUTKIN, I.; ISATEV, V.; PODSHCHEKOLDIN, M.

Checking oil dirtiness during the running-in of engines on stands. Avt.transp. 41 no.2:27-28 F '63. (MIRA 16:2)

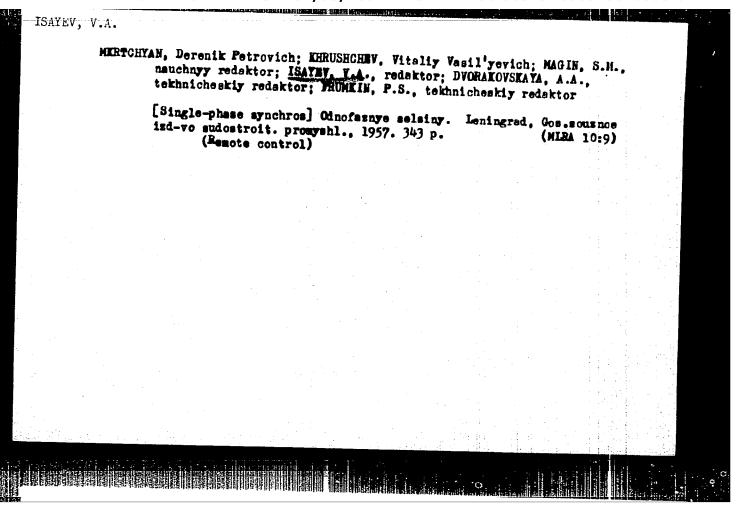
1. Ehar'kovskiy avtomobil'no-doroshnyy institut. (Motor vehicles—Engines)





ISAYEV, V., inzh.; PODSHCHEKOLDIN, M., kand.tekhn.nauk

Characteristics of the overhaul of motorbuses. Avt.transp. 41
no.11:34-37 N '63. (MIRA 16:12)



ISAYEV, V.A.

Ul'yanov, Boris Ivanovich

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- Antenny (Antennas) Leningrad, Sudpromgiz, 1957. 231 p. 30,000 copies printed
- Scientific Ed.: Vlasov, V.I.; Ed.: Isayev, V.A., Tech. Ed.: Levochkina, L.I.
- PURPOSE: The monograph is intended to serve as a textbook for students of radio engineering tekhnikums and is recommended as such by the Upravleniye srednikh spetsial nykh ucheb nykh zavedeniy Ministerstva vysshego obrazovaniya SSSR (Administration for Special Secondary Schools of the USSR Ministry of Higher Education). It can be of use also for a wide circle of radio specialists.
- COVERAGE: The book sets forth problems relating to the general theory of antennas and examines antenna feeder systems for various wave ranges. Special attention is given to waveguide antenna systems. The present-day concept of the electromagnetic field as an aspect of matter is taken as the basis for

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TRET YEKOV, Nikolay Pavilorden, dektor sel'khos. nauk; ISATEV, V.A.; red.

[Poultry industry] Industriia ptitsevodetva. Moekvap Znanie, 1965. 29 p. (Novoe v zhioni, nauke, tekhnike. V Seriias Sel'skoe knoziaistvo, no.22) (MIRA 18:10)

TSITSIN, Nikolay Vasil'yevich, akademik; ISAYEV, V.A., red.

[Hybridization of plants] Gibridizatsiia rastenii. Moskva, Znanie, 1965. 43 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, roll)

(MIRA 18:10)

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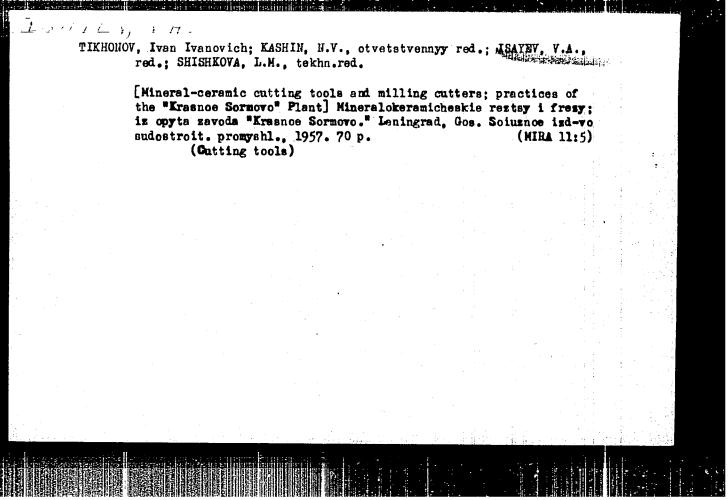
PRYANTSHNIKOV, Dmitriy Nikolayevich, akademiks ISAYEV, V.A., red. [Chemicalization of agriculture and proper crop rotations]
O khimizatsii zemledeliia i pravil'nykh sevooborotakh.
Moskva, Izd-vo "Znanie," 1965. 45 p. (Novoe v zhizni,
nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no.11)
(MIRA 18:6)

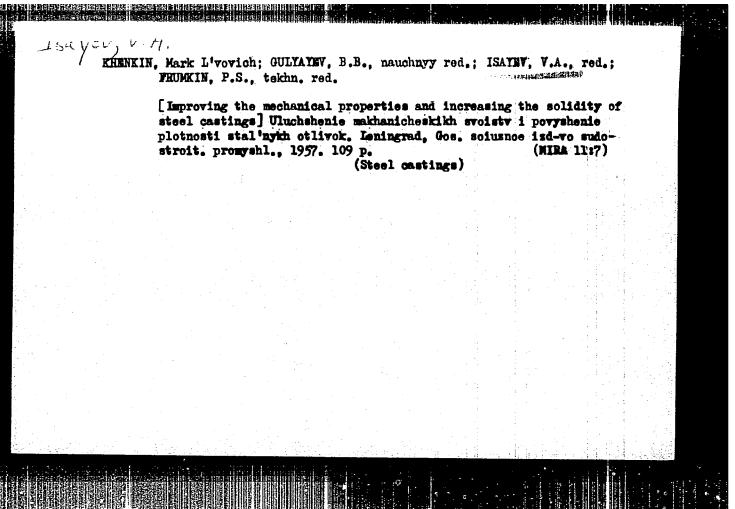
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KANTOHOVICH, Aleksard: Veniuminovich, ISATEV, V.A., red.

[Flag officer of Soviet agronomy] Flagman sevetskel agronomic. Moskva, Znante, 1965. 47 p. (Novae v zhizmi, nauke tekhnike. V Serilas Sel'skee khozialstve, no.21)

(MIRA 18:10)





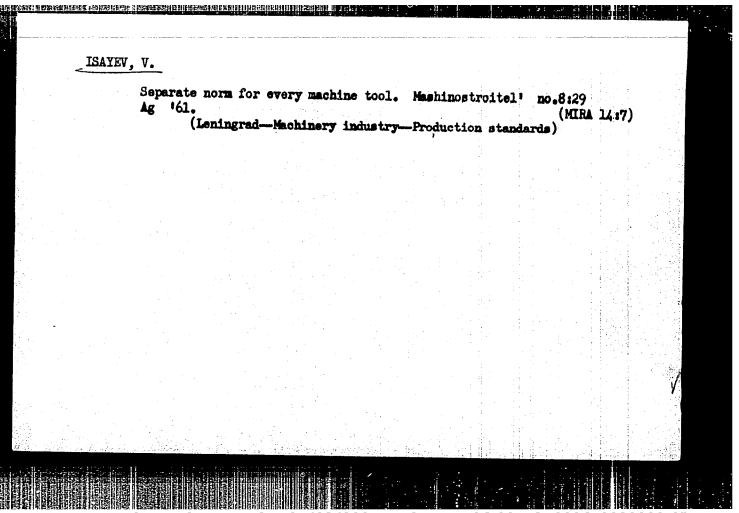
ARTSHMOVICH. Aleksendr Nikolayevich; KASHIN, N.V., otvetstvennyy redektor; ISAYRV, V.A., redaktor; KOMTOROVICH, A.I., tekhnicheskiy redektor

[Special technological processes in instrument manufacture] Spetsial*nye tekhnologicheskie protessay v priborostroenii. Leningrad, Gos.
soiusnoe isd-vo sudostroit. promyshl., 1957. 262 p. (MLRA 10:9)
(Instrument industry)

BOZHENKO, Vladimir Semenovich; SMIRNOV, V.I., nauchnyy red.; ISATEV, V.A., red.; LEVOCHKIMA, L.I., tekhn. red.

[Sensitivity and accuracy of balancing machines] Chuvstvitel'nost' i tochnost' stankov uravnoveshivanila. Leningrad, Gos. soiusnoe izd-vo sudostroit. promyshl., 1958. 50 p. (MIRA 1119)

(Balancing of machinery)



ISAYEV, V.

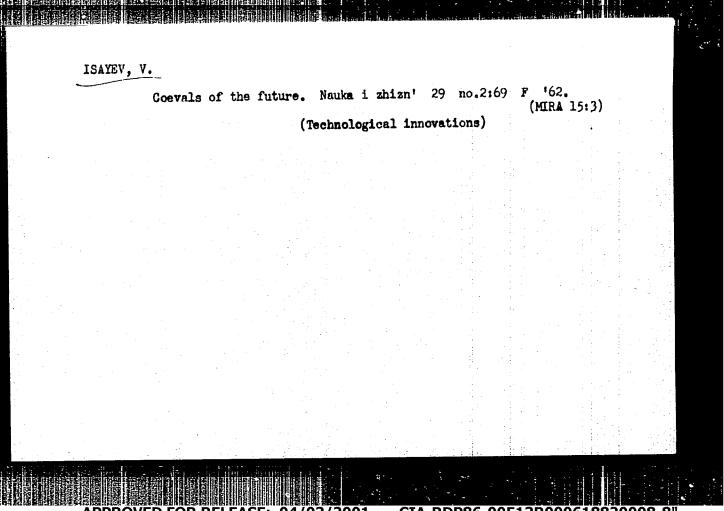
Workers manage the production. Mashinostroitel' no.7:23 J1 '62.
(MIRA 15:7)

(Isningrad—Machinery industry)

ISAYEV, V.

Isotopes help blacksmiths. Mashinostroitel' no.10:6 0 '62. (MIRA 15:10)

(Radioisotopes.—Industrial applications)



ROGACHEV, Sergey Vladimirovich, kand. ekon. nauk; ISAYEV, V.A., red.

[How production funds save time; production funds and labor productivity] Kak proizvodstvennye fondy ekonomiat vremia; proizvodstvennye fondy i preizvoditel'—nost' truda. Moskva, lad-vo "Znanie," 1965. 30 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoskhoziaistvo, no.4) (MIRA 18:1)

KOROLEV, Vasiliy Filippovich, kand. tekhn. nauk; ISAYEV, V.A., red.

[Automatic machines on a dairy farm; new milking machines]
Avtomaty na molochnoi ferme; novye doil'nye mashiny. Moskva, Izd-vo "Znanie," 1965. 46 p. (Novoe v zhizni, nauke,
tekhnike. V Seriia: Sel'skoe khoziaistvo, no.2)
(MIRA 18:1)

SHAMSHIN, Andrey Semenovich, kand. sel'kbon. naux; 1.WYEV, V.A., red.

[Erosion is an enemy of soil; new methods for erosion control] Eroziia - vrag pochvy; novye sposoby bor'by s eroziei pochvy. Moskva, Izd-vo "Znanie," 1965. 30 p. (MIRA 1801)

REVUT, Isaak Borisovich, kand. sel'khoz. nauk; ISAYEV, V.A., red.

[Soil tells its story; modern concepts on the mechanical composition and structure of the soil] Pochva - o sebe; sovremennye vzgliady na mekhanichskii sostav i strukturu pochvy. Moskva, Izd-vo "Znanie," 1965. 45 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no.5)

LATINSKIY, Semen Aleksandrovich, kand. tekhn. nauk; ISAYEV, V.A., red.

[Radio-electronics and agriculture] Radioelektronika i zemledelie. Moskva, Znanie, 1965. 48 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no.6) (MIRA 18:4)

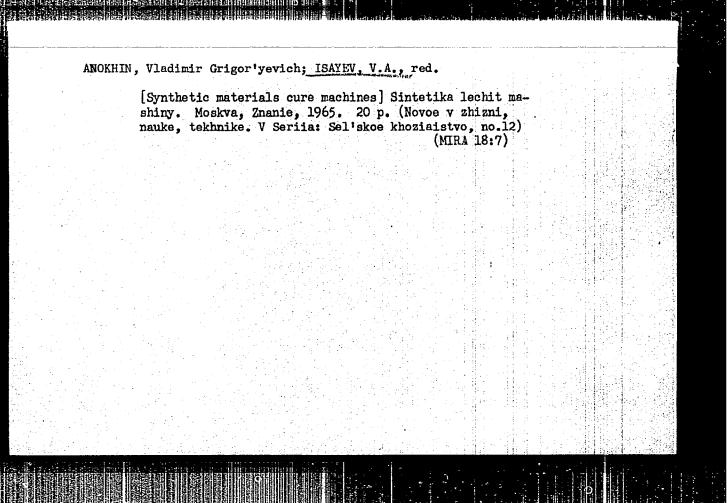
DUMANYAN, I.M.; ISAYEV, V.A., red.

[Irrigation farming today and tomorrow; Automatic machines for field irrigation. New artificial rivers. Canals under films. "Rivers will run upstream." Maksim Gor'kii's dreams become a reality] Oroshaemoe zemledelie segodnia i zavtra: Avtomaty na oroshenii polei. Novye iskusstvennye reki. Kanaly pod plenkoi. "Reki potekut vspiat'. "Sbyvaetsia mechta Maksima Gor'kogo. Moskva, Znanie, 1965. 45 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no.8)

MOSHKOV, Boris Sergeyevich, doktor biol. nauk; ISAYEV, V.A., red.

[Light and the plant] Svet i rastenie. Moskva, Znanie, 1965. 45 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no.9) (MIRA 18:4)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Moshkov).



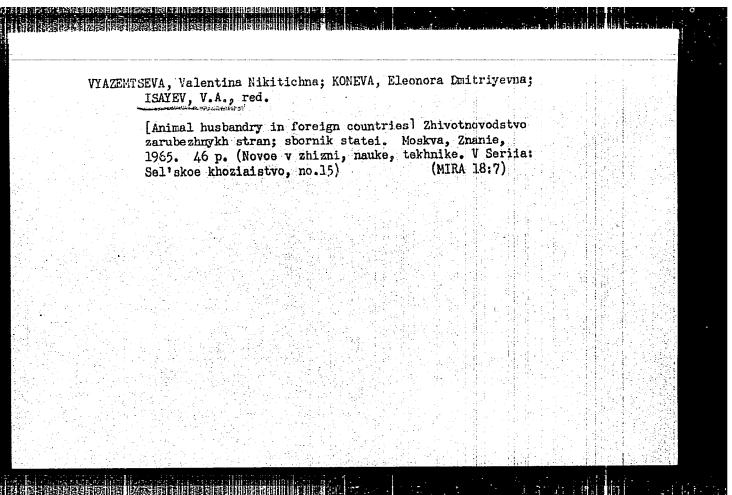
IVANOV, Mikhail Mikhaylovich, doktor veter. nauk; ISAYEV, V.A., red.

[Barriers in the path of infection; problems of immunity in farm animals] Bar'ery na puti infektsii; problemy immuniteta sel'skokhoziaistvennykh zhivotnykh. Moskva, Znanie, 1965. 29 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no.13) (NIRA 18:7)

TSERLING, Vera Vladimirovna, doktor biol. nauk; ISAYEV, V.A., red.

[How to feed plants; determining the mutrient requirements of plants] Kak kormit' rastenlia; diagnostika pitanlia rastenli. Moskva, Znanle, 1965. 45 p. (Nove v zhizni, nauka, tekhnike. V Serila: Sel'skoe khozialstvo, no.14)

(NIRA 18:7)



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PAVLENKO, Vladimir Georgiyevich; BLAGOVESHCHENSKIY, S.N., otvetstvennyy redaktor; ISATEV, V.A., redaktor; KAMOLOVA, V.M., tekhnicheskiy redaktor

[Methods of calculating the roll of ships] Metody rescheta bertovoi kachki sudov. Leningrad, Ges. sciusnoe isd-vo sudestroit. premyshl., 1956. 98 p.

(Stability of ships)

GENKIN, Mikhail Dmitriyevich; GENKEVICH, Vladimir Kazimirovich; SELIVANOV,
K.I., nauchnyy red.; ISAYEV, V.A., red.; FRUMKIN, P.S., tekhn.red.

[Noise in reduction gears of ship engines] Shum reduktorov sudovykh
dvigatelei. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl.,
1957. 79 p.

(Mgrine engines) (Noise)

PUTYATO, Yuriy Sergeyevich; TSAL, K.I., nauchnyy red.; ISAYEV, V.A., red.; FRUMKIN, P.S., tekhn.red.

[Assembling electric equipment on ships] Montanh sudovogo elektrooborudovanila. Leningrad, Gos.soiusnoe ind-vo sudostroit. promyshl.,
1957. 559 p.

(Blectricity on ships)

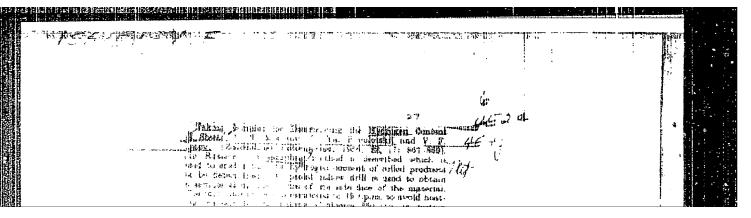
VOROB'IEV, Sergey Andreyevich, doktor sel'khoz. nauk; ISAYEV, V.A., red.

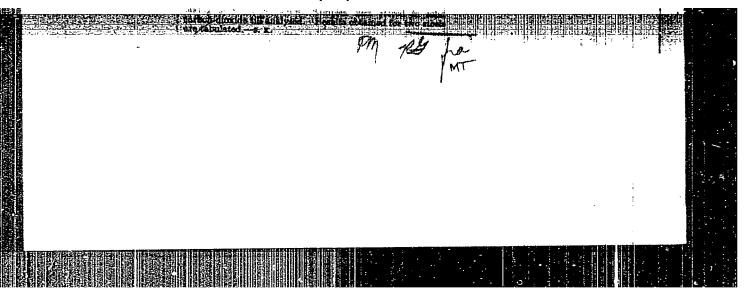
[Rotation of crops and crop yields; rotation of crops in systems of intensive agriculture] Sevooborot i urozhat; sevooboroty v intensivnykh sistemakh zomledeliia. Moskva, Izd-vo "Znanie," 1965. 30 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no.17)

(MIRA 18:8)

TYUTYUNNIKOV, Anatoliy Ivanovich, doktor sel'khoz. nauk; TOFIEV, V.A., red.

[Storehauses of feeds; on increasing the protein content of feeds] Kladovye kormov; o povyshenii soderzhania belkov v kormakh. Moskva, Izd-vo "Znanie," 1965. 29 p. (Novoe v zhizni, nauke, tekhnike. V Seriia: Sel'skoe khoziaistvo, no.10) (MIRA 18:5)





SOV/137-58-8-16552

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 46 (USSR)

AUTHORS: Kolosov, M.I., Morozov, A.N., Stroganov, A.I., Isayev, V.F.,

Keys, N.V., Vaynshteyn, O.Ya.

TITLE: The Rate and Sequence of Crystallization in Ingots of Killed

Steel (Skorost' i posledovatel'nost' kristallizatsii slitkov

spokoynoy stali)

PERIODICAL: V sb.: Primeneniye radioaktivn. izotopov v chernov metal-

lurgii. Chelyabinsk, Knigoizdat, 1957, pp 95-105

ABSTRACT: Radioactive Fe⁵⁹ (introduced in the form of Fe oxide) was employed in conjunction with the method of overturning of molds

in order to investigate crystallization processes in ingots of steel ShKhl5SG (2.65 t) and of steels 10 and 45 (6.2-t ingots). The radioactivity of various zones of the ingot was determined from the radiation intensity of 3.5-g specimens of metal drilled out on different levels of a longitudinal templet of the ingot. As the crystallization progresses, the two-phase region on the sides of the ingot amounts to 30-50 mm. After the formation

of a zone of columnar crystals, a two-phase region fed with

Card 1/2 liquid metal from the central part is formed in the lower part

SOV/137-58-8-16552

The Rate and Sequence of Crystallization in Ingots of Killed Steel

of the ingot. In a 6.2-ton ingot, the height of this zone extends to 850 mm. Up to a certain time (approximately 80 min in the case of the 6.2-t ingot) the thickness of the crystallized layer (including the two-phase region) taken in a horizontal section of the ingot is proportional to the square root of the crystallization time. Deviations from this relationship, which occur toward the end of the crystallization period, are attributable to a more rapid formation of a two-phase region at the center of the ingot. Extension risers, employed in production of high-quality steel ingots, may be removed only after the crystallization of the ingot has been completed. Bibliography: 19 references.

Ya.L.

1. Steel--Crystallization 2. Ir in isotopes (Radioactive)--Applications

Card 2/2

ISAVEU, V.F.

137-1958-1-337

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 52 (USSR)

AUTHORS: Morozov, A.N., Stroganov, A.I., Vaynshteyn, O.Ya., Isayev, V.F.

TITLE: Rate of Solution of Scrap Iron in Open Hearth Furnaces After Charging of Pig Iron (Skorost' rastvoreniya zheleznogo loma v martenovskikh pechakh posle zalivki chuguna)

PERIODICAL: V sb.: Primeneniye radioaktivn. izotopov v chernoy metallurgii. Chelyabinsk, Knigoizdat, 1957, pp 135-144

ABSTRACT: The radioactive isotopes P³², introduced into the furnace with the ore, and CO⁶⁰, introduced into the pig iron ladle when pig iron from the mixer is poured into it, were used to study the rate of fusion of the scrap in 380-t open hearth furnaces operating on scrap and ore. Samples of metal for measurement of radioactivity were taken during the heat, the amount of scrap fusing being established by the change in the intensity of radiation by the metal specimens relative to the intensity of radiation of the pig iron. Curves showing the radioactivity of the metal during the heat, and curves of the change in its composition are presented. A specimen calculation of the rate of fusion of scrap iron on the basis of radioactivity measurement is presented. It is remarked

137-1958-1-337

Rate of Solution of Scrap Iron (cont.)

that fusion of the scrap iron does not proceed uniformly; 60-70 % is dissolved rapidly in the pig, whereas the remainder follows more slowly. The rate of carbon elimination during the heat is determined.

1. Open hearth furnaces—Performance—Test results 2. Ores—Melting rate—Determination 3. Iron—Melting rate—Determination 4. Carbon—Elimination 5. Phosphorus isotopes (Radicactive)—Applications 6. Cebalt isotopes (Radicactive)—Applications 7. Liquid metals—Sampling

Card 2/2

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SOV/137-59-5-9962

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 5, p 75 (USSR)

AUTHORS:

Kolosov, M.I., Morozov, A.N., Stroganov, A.I., Isayev, V.F.,

Keys, N.V., Vaynsteyn, O.Ya.

TITLE:

⟨४/ The Rate and Sequence of Crystallization in Killed Steel Ingots

PERIODICAL:

V sb.: Metallurgiya i metallovedeniye, Moscow, AS USSR, 1958,

pp 133 - 137

ABSTRACT:

The authors investigated the crystallization in "ShKh1550" steel ingots of 2.65 t weight and in syphon-cast "10" and "45" grade steel ingots of 6.2 ton weight. The location of the crystallization front was determined at various moments by a consecutive multiple introduction of a thermic mixture of radioactive iron and Al-powder into the non-solidified section of each ingot. Subsequently, the concentration of the radioactive iron over the cross-section and the length of the solidified ingot was determined by radiometric means, Moreover, the non-solidified sections of "10" steel ingots were tapped at time intervals corresponding to the moments of

Card 1/3

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000618820008-8'

The Rate and Sequence of Crystallization in Killed Steel Ingots introducing the radioactive iron. The thickness of the solidified layer on the section of the ingot body (ostov) was measured. Results obtained by the described methods were compared and it was revealed that the cavity in the body of an overturned ingot was wider and deeper than the area of expansion of the radioactive iron introduced at the same moment. This discrepancy is explained by the presence of a two-phase zone located between the border of the radioactive iron expansion and the solidified layer. The two-phase zone consists of suspended (partially intergrown) crystals and liquid metal. The width of the two-phase zone at the lateral crystallization fronts does not exceed 30 - 50 mm; however, its expansion along the height in the lower axial section of the solidified ingot attains 850 mm. It is assumed that the two-phase zone is developed periodically during interrupted crystallization (in particular, at the moment of the completed growth of columnar crystals). The development of a two-phase zone in the lower axial section of the ingot is connected with the fact that orystals originating at the lateral crystallization fronts, are carried away by the descending flows of cooled-off metal and are accumulated in the bottom section of the solidified ingot. This explains Card 2/3

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SOV/137-58-9-18676

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 75 (USSR) AUTHORS:

Morozov, A.N., Kolosov, M.I., Stroganov, A.I., Isayev, V.F.,

TITLE:

A Nucleonic Study of the Rate and Sequence of Steel-ingot Crystallization (Izucheniye skorosti i posledovatel'nosti kristallizatsii stal'nykh slitkov pri pomoshchi radioaktivnykh

PERIODICAL:

V sb.: Staleplavil'n. proiz-vo. Moscow, Metallurgizdat,

ABSTRACT:

Radioactive tracers were used to investigate the crystallization of 2.65-t ingots of ShKh15SG and 6.2-t ingots of Nrs-10 and 45 steels, bottom poured. 3-5 batches of Fe⁵⁹ (4.5-14.5 millicuries per t steel) were introduced as Fe₂O₃ mixed with Al powder. The tops of the ingots were held in the liquid state by periodic additions of lunkerite pipe eliminator. At the same time, crystallization of Nr-10 steel was also studied by overturning three ingots on single stool at different time intervals after pouring. The isotope was introduced at the moments when the residual liquid metal from each of these ingots was poured

Card 1/3

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SOV/137-58-9-18676

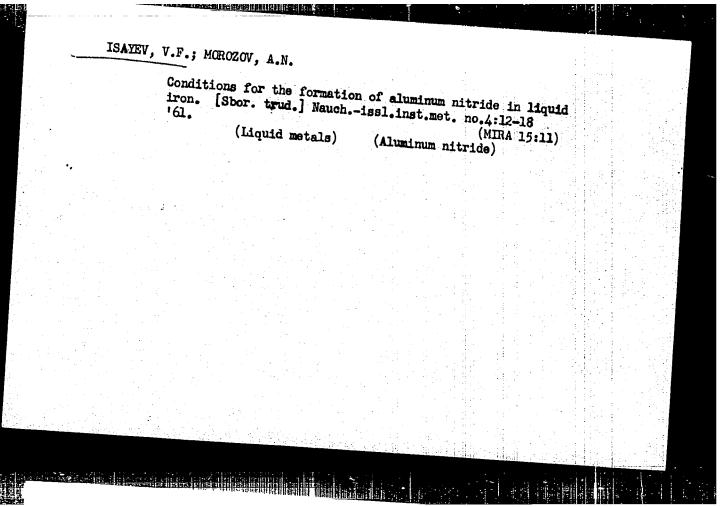
A Nucleonic Study of the Rate and Sequence of Steel-ingot Crystallization

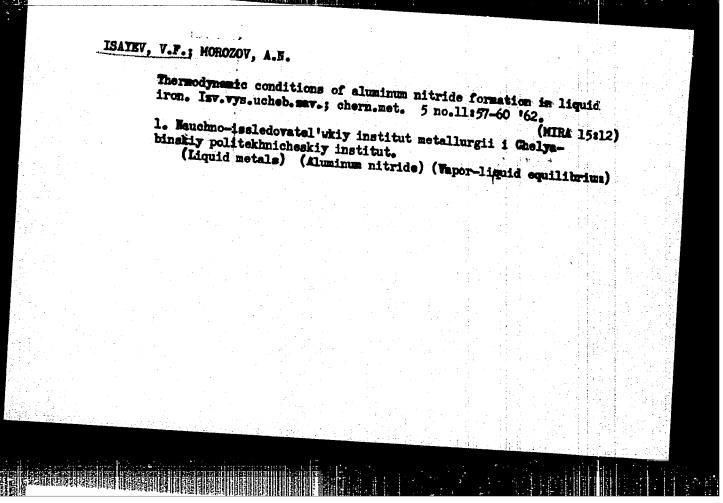
into a fourth on the same stool. The thickness of the frozen layer as determined by radiography was greater than when determined by pouring out the liquid residue of the metal. This is explained by the fact that the zones of isotope distribution describe the region of the ingot occupied by liquid metal, whereas the thickness of the crystallized layer determined by pouring out defines the region of solid metal phase alone. The difference between them is the magnitude of the region in which two phases exist. The length of that region along the sides of the ingot in the course of crystallization does not exceed 30-40 mm. At the conclusion of the formation of the zone of columnar crystals in the bottom of the 6.2-t ingot there arises a two-phase region attaining 850 mm in height. This region comes into being as the result of the accumulation of equiaxed crystals that have torn away after formation on the interface between the solid and liquid phases. The crystallization of the twophase region is intermittent in nature. The development of V-segregation and axial porosity are dependent upon the taper of the ingot and the conditions under which the two-phase zone is fed liquid metal from the upper portion of the ingot. In the making of high-quality steel, the hot top should be removed only after the body of the ingot has completely hardened. Within given time limits, the thickness of the crystallized layer is proportional to the square root of the crystallization time; the proportionality factor therein,

A Nucleonic Study of the Rate and Sequence of Steel-ingot Crystallization SOV/137-58-9-18676 which is 21-29 mm/min^{0.5} for carbon steels, declines with reduction in the [C] of the steel.

1. Steel--Processing 2. Steel--Crystallization 3. Radioisotopes--Performance

Card 3/3





ACCESSION NR: AR4015540

S/0137/63/000/011/A009/1009

SOURCE: RZh. Metallurgiya, Abs. 11A62

AUTHOR: Morozov, A. N.; Isayev, V. F.; Korolev, L. G.

TITLE: Solubility of nitrogen in alloys of iron with elements forming stable

CITED SOURCE: Sb. Teoriya i praktika metallurgii. Chelyabinsk. vy*p. 5, 1963.

TOPIC TAGS: nitrogen, nitrogen solubility, iron alloy, nitride, stable nitride

TRANSLATION: It is shown that when a solid nitride is present on the surface of Me, the equilibrium of the system is determined by the reaction (RNT) x x R] + (1/2)N2. where R is the content of Ti. Al. V. and other elements forming stable nitrides. It is shown that the nitrides AlN, TiN, and V_{1,17}N form in Fe alloys and that the solubility of N₂ in binary mixtures of Fe with Ti, Al, and V obey's the Siwertz law only under conditions excluding the formation of nitrides. It

Card 1/2

ACCESSION MR: AR4015540

has been found that the dissociation elasticity of mitrides reaches 1 atm for 0.05% T1, 0.9% A1, and 1.1-1.2% V. 1 illustration. A. Vertaan.

DATE ACQ: 09Dec63

SUB CODE: ML, CE EMCL: 00

Cord 2/2

 ACCESSION NR: AP4029829

8/0279/64/000/002/0013/0016

Isayev. V. K. (Chelyabinsk); Morozov, A. N. (Chelyabinsk)

Mitrogen solubility and nitride formation in iron-boron melts

SOURCE: AN SSSR. Izv. Metallurgiya i gornoye delo, no. 2, 1964, 13-16

TOPIC TACS: nitrogen, nitride, iron, boron, boron containing steel

ABSTRACT: Boron is widely used in metallurgy for the microalloying of steel. The properties of boron-containing steel are determined to a considerable degree by the character of its boron compounds. The formation of a nitride inhibits the positive effect of boron on the properties of dead melt brands of construction steels, but, on the other hand, gives nonrust properties to boiling steels. The formation conditions for boron mitride in liquid melts had not previously been studied. The effect of boron on the solubility of nitrogen in iron also had not been determined. The only publication regarding this problem (Fountain, R. W.; Chipman, G. Solubility and Precipitation of Boron Mitride in Iron. Boron alloys. Trans. Hetal Soc. AIME, 1962, v. 224, no. 3) was concerned with the effect of boron on the solubility of nitrogen in 7-iron and the explanation of thermodynamic conditions of boron nitride separation from iron. The equipment and method of research is similar to the authors

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ISAYEV, V.I.

"The Quastion of the Prophylactic Effect of Hemosporidin During Pyroplasmosis of Horses and of the Prolonged Retention of the Preparation in the Amimal Organism." Cand Vet Sci, Kazan' State Veterinary Inst, Kazan', 1954. (RZhBiol, No 7, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

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JH/JD/WH ACC NE AT6024950 (M,N) SOURCE CODE: UR/2981/66/000/004/0341/0349 AUTHOR: Loktionova, N. A.; Kulakov, V. I.; Isayev, V. I. ORG: none TITIE: Heat treatment of products of AK6 aluminum alloy in hot media SOURCE: Alyuminiyevyye splavy, no. 4, 1966. Zharoprochnyye i vysokoprochnyye splavy (Heat resistant and high-strength alloys), 341-349 TOPIC TAGS: metal heat treatment, aluminum alloy property ABSTRACT: A study of the mechanical, corrosion and microstructural properties of pressed billets and stampings of AK6 allow showed that in quenching in hot media, despite a marked decrease in cooling rate as compared to ordinary quenching in water at 20°C, a supersaturated α solid solution appears which is capable of hardening during aging and isothermal holding in a salt melt at the temperature of artificial aging. Industrial tests showed that stepwise and isothermal quenching schedules can be used only for stampings with a cross-sectional thickness of no more than 15 mm. Quenching in hot water at 90°C can be used for stampings with a cross-sectional thickness up to 50 mm without any appreciable decrease in properties. The observed slight decrease in properties during quenching in hot media is due to the predominant breakdown of the solid solution along the grain boundaries. For this reason, articles with a finely granular structure and a well-developed substructure are more sensitive to changes in Card 1/2

the cooling rate than articles with a coarse-grained recrystallized structure. The general corrosion and stress corrosion after quenching in hot media are practically										
the same	as ar	ter ordinary	s corro quenchi	sion after ng followe	d by	ching in he artificial	ot media aging.	are practical Orig. art. ha	ly ;	
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CIA-RDP86-00513R000618820008-8 "APPROVED FOR RELEASE: 04/03/2001

USSR/Medicine - Pharmacology

FD-1913

Card 1/1

Pub. 38-12/18

Author

Lsayev, V. I.

Title

A method for determining hemosporidin (LP2) and the length of time it re-

mains in an animal organism

Periodical: Farm. i. toks., 17, 50-51, Nov/Dec 1954

Abstract

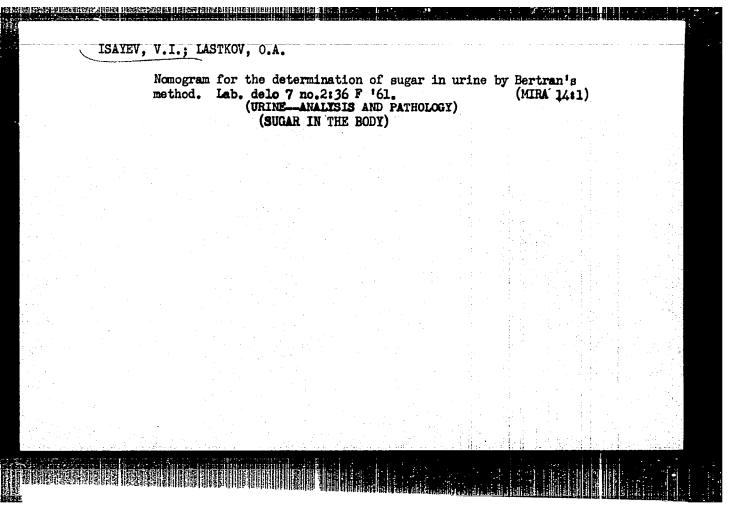
Developed a colorimetric method for determining the amount of hemosporidine [N, N' - di- (4-dimethylaminophenyl carbamine methylsulfomethylate) a USSR piroplasmocidic preparation synthesized by Dr Chem Sci M. P. Gerchuk in 1941] in aqueous solutions and in urine of dogs and horses. Hemosporidine is eliminated from animal organisms through the urine and is still detected in the urine 22-28 hours after subcutaneous injection. Hence, hemosporidine injections are recommended to be repeated every eight to ten days during the piroplasmodic season. Chemical structural formula; three references (one USSR; all since 1940).

Institution:

Chair of Pharmacology (Head - Prof P. I. Popov) Kazan State Veterinary

Inst imeni N. E. Bauman

Submitted:



ISATEU V.I.

USSR / Farm Animals. Small Hornod Stock.

2-2

Abs Jour: Rof Zhur-Biol., No 23, 1958, 105675.

Author : Isayev, V. I.

Inst : Not given.
Title : Reserves of t

: Reserves of the Increase of Production of Wool and Mutton in the Cotton-Growing Kolkhozes of

Azorbaydzhan.

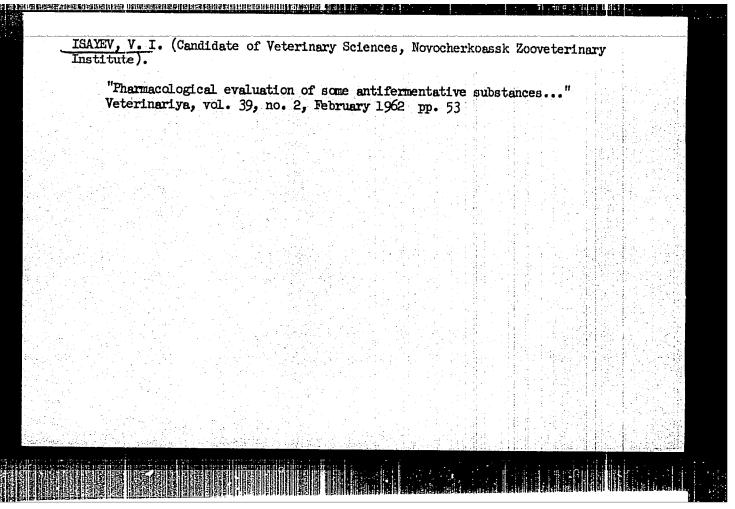
Orig Pub: Ovtsovođstvo, 1958, No 3, 30-32.

Abstract: No abstract.

ISAYEV, Vasiliy Il'ich; KOPTEVSKIY, D.Ya., red.; PERSON, M.H., tekhn.red.

[Laboratory work in electrical engineering] Laboratornye raboty po elektrotekhnike. Moskva, Vses.uchebno-pedsgog.izd-vo Trud-rezervizdat, 1959, 142 p. (MIRA 12:12)

(Electric engineering—Laboratory manuals)



SHEVCHENKO, N.F., red.; AMELIN, F.S., red.; GRECHKO, V.Ye., red.; ISAYEV, V.I., red.; KUZUBOV, V.I., red.; LIBERMAN, Ye.G., prof., doktor ekonom.nauk, red.; MAKARENKO, V.P., red.; SHCHERBININ, I.F., red.; YARMOLOVICH, O.M., red.; KARDASH, G.I., red.; DONSKOY, Ya.Ye., red.; LIMANOVA, W.I., tekhn.red.

[First and foremost; ways to further increase labor productivity in machinery manufacturing enterprises of Kharkov] Samoe vashnos, samoe glavnos; o putiakh dal'neishego povysheniia proizvoditel'-nosti truda na mashinostroitel'nykh predpriiatiiakh Khar'kova.

Khar'kov, Khar'kovskoe knishnoe izd-vo, 1960. 205 p.

(MIRA 13:11)

1. Ukraine. Khar'kovskiy gorodskoy ekonomiche skiy administrativnyy rayon. Sovet narodnogo khozysystva. 2. Nachal'nik tekhniche skogo otdela Khar'kovskogo sovnarkhosa (for Kusubov). 3. Khar'kovskiy inzhenerno-ekonomiche skiy institut (for Liberman). (Kharkov---Machinery industry---Labor productivity)

s/689/61/000/000/017/030 D205/D303

Isayev. V.I., Ivankin, I.A., Kulakov, V.I., and Loktionova, AUTHORS:

N.A.

Peculiarities of thermal treatment of massive drop-forged TITLE:

articles of the .C.1 (D1) alloy

Fridlyander, I.N., V.I. Dobatkin, and Ye.D. Zakharov, eds. SOURCE:

Deformiruyemyye alyuminiyevyye splavy; sbornik statey,

Moscow, 1961, 131 - 136

经企业基金的基本。1840年的1942年11月1日 | 1844年11月1日 | 1844年11月 | 1844年11月 | 1844年11月 | 1844年11月 | 1844年11月 | 1844年11日 | 1844年11日 | 1

THAT: This paper is concerned with some peculiarities of the thermal treatment of massive cluminum alloy (D1) articles and the influence of certain factors of the treatment on the values of the residual stresses and mechanical properties. The forgings were prepared by axial hammering of the casting. Test specimens were cut out from the forged articles in various directions with respect to the fiber. Large differences were revealed between the various specimens cut out from the same forging. The strength limit ranged from 31.8 to 41.8 kg/mm² and the relative elongation in samples cut out parallel to the Card 1/2

CIA-RDP86-00513R000618820008-8

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Peculiarities of thermal treatment of ... S/689/61/000/000/017/030

fiber was more than twice as much as those of the transverse samples. It was found that hardening from 490°C after 2 hours at that temperate obtained by quenching in hot media (80°C water on 145 - 155°C salt media). It was shown that cracks develop because of to concentrate at the passages from thin to thick sections of the arto concentrate at the passages from thin to thick sections of the articles. There are 2 figures, 3 tables and 1 Soviet-bloc reference.

Card 2/2

超级影响

S/689/61/000/000/018/030 D205/D303

AUTHORS: Loktionova, N.A., Kozlovskaya, V.P., and Isavev, V.I. PITLE:

Reduction of warping of welded constructions from the Z, 20

SOURCE: Fridlyander, I.N., V.I. Dobatkin, and Ye.D. Zakharov, eds. Deformiruyemyye alyuminiyevyye splavy; sbornik statey,

TEXT: Although the highest mechanical properties (40 - 45 kg/mm² strength limit and 29 - 32 kg/mm² yield point) are obtained in the by the hardening of the welded articles makes their subsequent adjust by the hardening of the welded articles makes their subsequent adjustment by deformation necessary. In order to reduce the thermal stressisting water and malter college. ses, the influence of quenching in boiling water and molten salts on the geometrical stability of the welded articles was investigated. The investigations were performed on sheets 6 mm thick. The specimens were heated at 5350C in saltpeter and cooled: 1 - in water at 20 and 100°C; 2 - according to a step regime - in salt baths at 160 -Card 1/3

S/689/61/000/000/018/030 D205/D303

Reduction of warping of welded ...

200°C range (2 min) and then in water at 30°C; 3 - in salt baths at 160 - 180°C for 2 to 16 hours. In the first two cases, the specimens were aged after cooling at 165°C for 10 - 16 hours. All specimens, notwithstanding the differences in cooling conditions, had almost notwithstanding the differences (about 40.5 Kg/mm² strength limit, identical mechanical properties (about 40.5 Kg/mm² strength limit, identical properties that the D20 alloy which contains copper in amounts exceeding the solubility limits is not sensitive to the lowering of the cooling rate during hardening. X-ray analysis has shown that the increase of the cooling temperature by 100 - 200°C lowers the defectivity of the grains, but does not entirely remove the general stresses. Corrosion tests were performed using welded specimens in a 3 % solution of NaCl tests were performed using welded specimens in a 3 % solution of NaCl The specimens fastened to a rotating wheel were periodically innersed that the 4.5 months. The specimens cooled in water at 20°C were during the 4.5 months. The specimens cooled in boiling water, sett baths and by the step regime remained intact after 130 days. The baths and by the step regime remained intact after 130 days. The baths and by the step regime remained intact after 130 days. The peratures. It is concluded that the welding of D20 alloy sheets should be carried out in the hardened and not in the annealed state, because Card 2/5